



CALIFORNIA

Agricultural Bulletin

EDD Employment
Development
Department
State of California

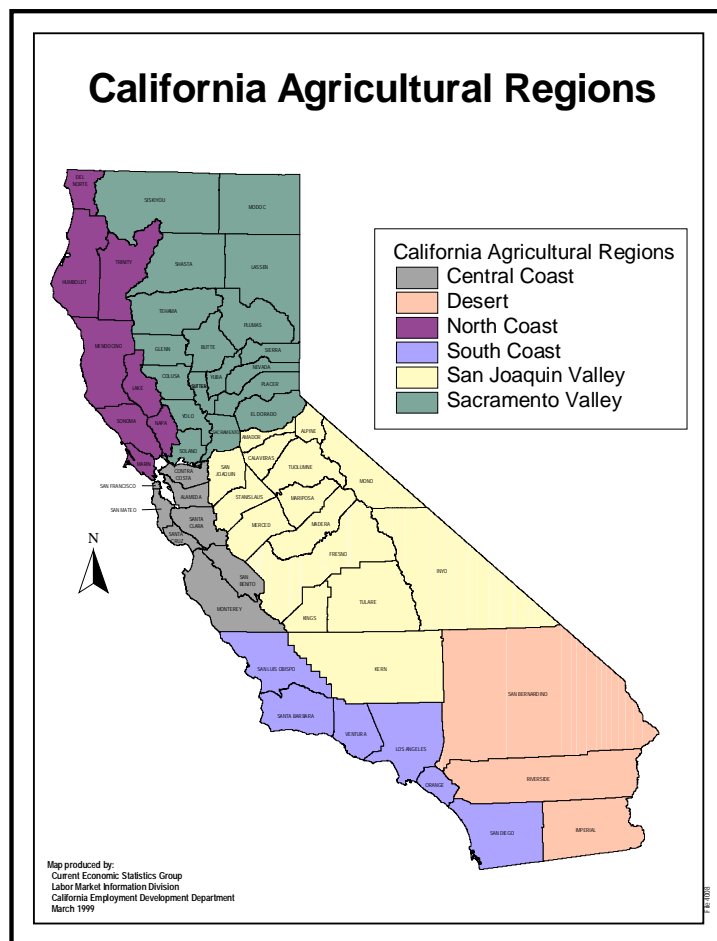
September 1999
(Internet Version)

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Agricultural Overview

This bulletin covers 27 agricultural industries in the State of California. The number of industries ranges from five to seventeen within each of the six geographic regions. The regions are the San Joaquin Valley, South Coast, Desert, Central Coast, Sacramento Valley, and North Coast (refer to map for details).



The data are organized into the following tables by state and region:

- Wage and Salary Workers
- Average Hourly Earnings

LMID
Labor Market Information Division
"Your Information Source"

Introduction

The California Agricultural Bulletin is produced by the Employment Development Department (EDD) in cooperation with the U.S. Department of Agriculture and through a grant from the U.S. Department of Labor. Because of changes in sampling and estimating procedures, farm employment data published by EDD prior to January 1997 may not be strictly comparable to current estimates.

Summary

Employment

California agricultural employment for September 1999 registered an increase of 13,100 jobs from the previous month, a gain of three percent. The increase in Agricultural Production/Crops offset the decreases in other major industries. A seasonal increase in agricultural employment for the month of September is normal. The change in California agricultural employment from August 1998 to September 1998 was an increase of 8,000 jobs. From August 1999 to September 1999, Production/Crops registered an increase of 25,500 jobs, a gain of 11 percent. Production/Livestock decreased by 3,900, a loss of 15 percent. Agricultural Services registered a decrease of 8,500 jobs, a loss of four percent. Total California Agricultural Employment for September 1999 increased 2,300 jobs from the September 1998 level.

The San Joaquin Valley Region registered an increase of 9,800 jobs from August 1999 to September 1999. Agricultural Production, in this region, increased by 23 percent while Agricultural Services decreased seven percent from the previous month.

Production and Crop Activity

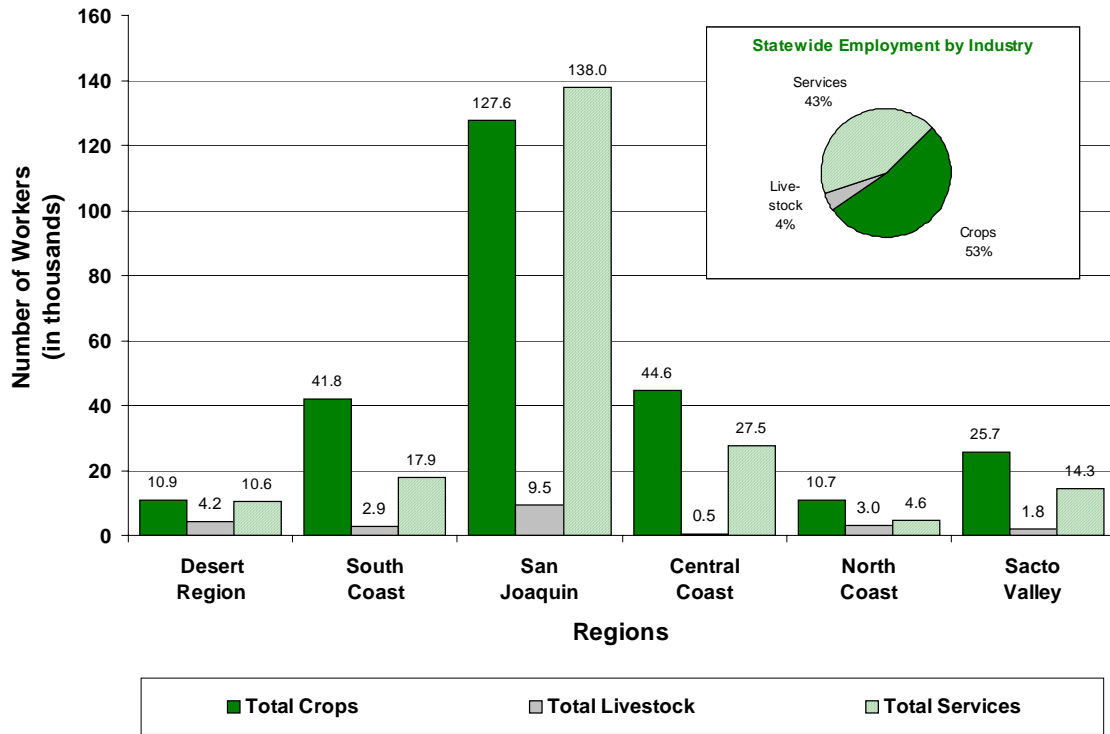
During the month, work in fields progressed normally under favorable conditions in most areas. Seedbed preparations were ongoing and fields were prepared for the planting of fall crops. Fall vegetables planted included broccoli, cauliflower, beets, carrots, radishes, spinach, Chinese cabbage, endive, and lettuce. Some strawberries were planted. Work crews were also busy with treatment and harvesting activities. Pumpkin, carrot, sugarbeet, cotton, and alfalfa fields were treated for insects. Some fields of peppers, lettuce, and broccoli were sprayed to control worms. Corn silage harvest was active in most growing areas and the harvesting of watermelons and cantaloupes continued. Work crews also harvested sugarbeets, cilantro, leeks, onions, garlic, chives, squash, sweet corn, melons, tomatoes, blackeye and garbanzo beans, cucumbers, peppers, sweet potatoes, eggplant, zucchini, okra, radishes, and peas. Alfalfa, bermuda, and sudan grass were cut for hay or greenchopped.

Vineyards continued to be active with increased momentum in the harvesting of table grapes and the harvest of wine grapes continued. Grapes for raisins were laid and some trays were rolled. Pear harvesting continued in the North Coast and Sacramento Valley regions, and was very active in the San Joaquin Valley. Work crews were also busy picking apples, pomegranates, and figs. They also harvested olives, almonds, walnuts, and pistachios. Valencia oranges and lemons were picked in southern California.

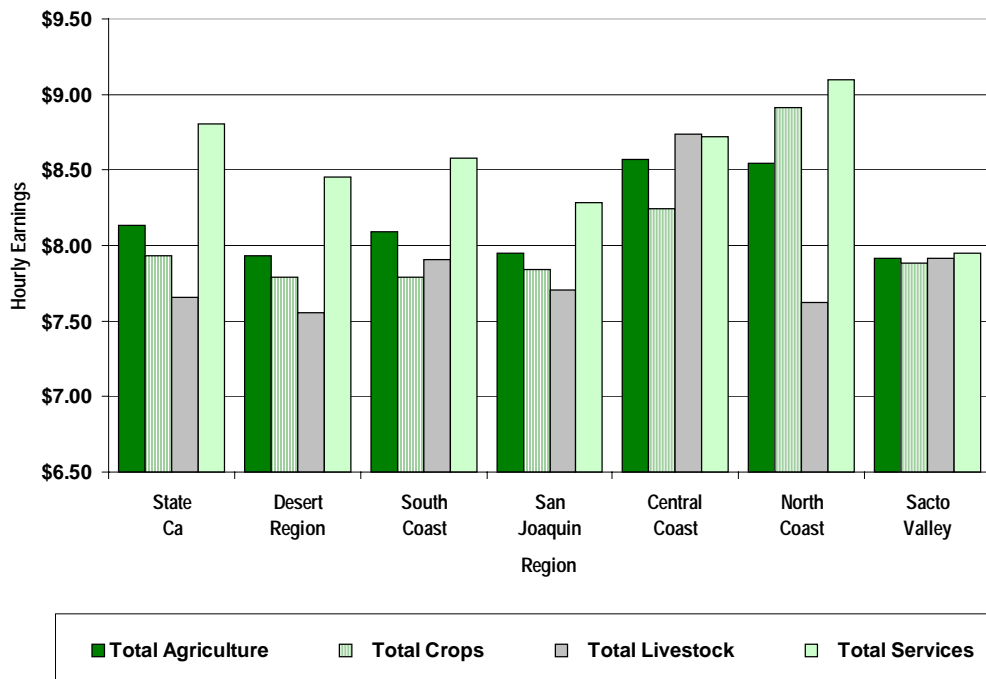
Sheep and beef cattle were moved from higher elevations to lower pastures. Calving was taking place in the central and northern areas.

Agricultural Summary Charts

Wage and Salary Workers



Average Hourly Earnings



CALIFORNIA AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Industry	Sep 1999	Aug 1999	Sep 1998
Total Agriculture	496.1	483.0	493.8
Total Agricultural Production/Crops	261.3	235.8	245.0
Cash Grains	2.8	2.4	2.6
Rice	0.4	0.5	1.5
Other Cash Grains	2.4	1.9	1.1
Field Crops Except Grains	19.8	20.0	13.1
Cotton	3.2	4.6	6.9
Other Field Crops	16.6	15.4	6.2
Vegetables and Melons	66.1	56.7	38.2
Total Fruits and Tree Nuts	109.9	94.9	125.3
Berries	19.0	17.8	17.9
Grapes	50.6	33.5	57.2
Tree Nuts	9.8	9.0	11.7
Citrus Fruits	1.6	2.4	5.6
Deciduous Tree Fruit	9.4	15.9	22.4
Other Fruits & Nuts	19.5	16.3	10.5
Total Horticultural Specialties	32.1	33.5	34.0
Ornamental Floral & Nursery	29.7	31.4	30.6
Food Crops Grown Under Cover	2.4	2.1	3.4
General Farm Primarily Crop	30.6	28.3	31.8
Agricultural Production/Livestock	21.9	25.8	27.1
Beef Cattle Feed Lots	0.1	0.4	0.4
Beef Cattle Except Feed Lots	2.8	2.2	3.2
Dairy Farms	8.5	11.3	15.3
Chicken Eggs	6.0	5.6	2.5
Turkey & Turkey Eggs	0.5	1.8	0.9
Other Livestock	4.0	4.5	4.8
Total Agricultural Services	212.9	221.4	221.7
Soil Preparation Services	0.5	2.0	1.6
Crop Services	46.0	42.6	52.6
Plant Cultivate & Protection	5.0	5.8	6.7
Harvest Primarily by Machine	6.0	5.1	7.8
Preparation Services for Market	34.7	31.4	37.5
Cotton Ginning	0.3	0.3	0.6
Total Farm Labor & Management	166.4	176.8	167.5
Farm Labor Contractors	154.6	159.7	157.9
Farm Management Services	11.8	17.1	9.6

Average Hourly Earnings
(In dollars per hour)

Industry	Sep 1999	Aug 1999	Sep 1998
Total Agriculture	8.13	8.05	7.55
Total Agricultural Production/Crops	7.93	7.84	7.15
Cash Grains	8.10	7.97	7.50
Rice	7.88	7.30	7.83
Other Cash Grains	8.32	8.64	7.17
Field Crops Except Grains	7.77	7.72	6.85
Cotton	7.27	6.97	6.76
Other Field Crops	8.27	8.47	6.93
Vegetables and Melons	8.03	8.14	7.26
Total Fruits and Tree Nuts	7.86	7.78	6.99
Berries	8.22	7.24	6.60
Grapes	8.01	7.61	7.03
Tree Nuts	7.59	7.50	7.13
Citrus Fruits	7.67	8.06	7.20
Deciduous Tree Fruit	7.54	8.05	6.99
Other Fruits & Nuts	8.16	8.19	6.97
Total Horticultural Specialties	8.53	8.18	7.56
Ornamental Floral & Nursery	8.60	8.16	7.00
Food Crops Grown Under Cover	8.45	8.20	8.12
General Farm Primarily Crop	7.31	7.25	6.76
Agricultural Production/Livestock	7.65	7.66	7.62
Beef Cattle Feed Lots	8.50	8.10	7.33
Beef Cattle Except Feed Lots	7.57	7.74	8.15
Dairy Farms	8.12	8.15	7.98
Chicken Eggs	6.74	6.78	7.12
Turkey & Turkey Eggs	6.57	6.75	7.62
Other Livestock	8.42	8.44	7.56
Total Agricultural Services	8.80	8.65	7.88
Soil Preparation Services	9.25	9.04	8.93
Crop Services	9.02	8.82	7.84
Plant Cultivate & Protection	8.65	8.71	7.59
Harvest Primarily by Machine	8.84	8.63	7.84
Preparation Services for Market	8.20	8.28	7.50
Cotton Ginning	10.38	9.67	8.43
Total Farm Labor & Management	8.15	8.08	6.87
Farm Labor Contractors	8.10	7.73	6.81
Farm Management Services	8.20	8.44	6.93

CENTRAL COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Industry	Sep 1999	Aug 1999	Sep 1998
Total Agriculture	72.6	71.6	69.3
Total Agricultural Products/Crops	44.6	46.2	43.5
Cash Grains	0.1	0.0	0.0
Rice	0.1	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	5.4	6.7	0.2
Cotton	0.0	0.0	0.0
Other Field Crops	5.4	6.7	0.2
Vegetables and Melons	14.8	15.9	16.8
Total Fruits and Tree Nuts	15.3	13.3	14.8
Berries	11.4	9.8	12.0
Grapes	0.2	0.0	1.3
Tree Nuts	0.1	0.1	0.2
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	1.0	0.6	1.1
Other Fruits & Nuts	2.6	2.8	0.2
Total Horticultural Specialties	6.2	9.2	8.9
Ornamental Floral & Nursery	3.8	7.5	6.8
Food Crops Grown Under Cover	2.4	1.7	2.1
General Farm Primarily Crop	2.8	1.1	2.8
Agricultural Production/Livestock	0.5	0.5	1.0
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.0	0.4
Dairy Farms	0.0	0.0	0.1
Chicken Eggs	0.0	0.0	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.5	0.5	0.3
Total Agricultural Services	27.5	24.9	24.8
Soil Preparation Services	0.0	0.0	0.4
Crop Services	10.3	10.7	10.0
Plant Cultivate & Protection	0.0	0.0	0.6
Harvest Primarily by Machine	3.2	3.6	2.1
Preparation Services for Market	7.1	7.1	7.3
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	17.2	14.2	14.4
Farm Labor Contractors	16.2	12.5	13.6
Farm Management Services	1.0	1.7	0.8

na = not available

Average Hourly Earnings
(In dollars per hour)

Industry	Sep 1999	Aug 1999	Sep 1998
Total Agriculture	8.57	8.50	7.64
Total Agricultural Products/Crops	8.24	8.00	7.20
Cash Grains	8.23	na	na
Rice	8.23	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.78	8.33	6.76
Cotton	na	na	na
Other Field Crops	8.78	8.33	6.76
Vegetables and Melons	8.89	8.44	7.00
Total Fruits and Tree Nuts	8.02	8.25	7.27
Berries	8.64	8.25	6.95
Grapes	7.94	na	6.90
Tree Nuts	7.75	7.82	7.75
Citrus Fruits	na	na	na
Deciduous Tree Fruit	7.49	8.13	6.72
Other Fruits & Nuts	8.27	8.79	8.05
Total Horticultural Specialties	8.49	8.30	7.80
Ornamental Floral & Nursery	8.52	8.37	7.10
Food Crops Grown Under Cover	8.45	8.23	8.50
General Farm Primarily Crop	7.06	6.66	7.15
Agricultural Production/Livestock	8.74	8.84	7.63
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	na	7.95
Dairy Farms	na	na	7.85
Chicken Eggs	na	na	7.00
Turkey & Turkey Eggs	na	na	7.50
Other Livestock	8.74	8.84	7.85
Total Agricultural Services	8.72	8.65	8.10
Soil Preparation Services	na	na	9.25
Crop Services	9.01	9.03	8.05
Plant Cultivate & Protection	na	na	7.80
Harvest Primarily by Machine	9.37	9.30	7.96
Preparation Services for Market	8.64	8.76	8.39
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.44	8.27	7.00
Farm Labor Contractors	8.24	8.04	6.87
Farm Management Services	8.64	8.50	7.12

DESERT AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Sep 1999	Aug 1999	Sep 1998
Total Agriculture	25.7	24.1	28.8
Total Agricultural Production/Crops	10.9	6.5	9.7
Cash Grains	0.0	0.0	0.1
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.1
Field Crops Except Grains	2.5	2.0	1.8
Cotton	0.0	0.0	0.0
Other Field Crops	2.5	2.0	1.8
Vegetables and Melons	0.8	0.7	1.5
Total Fruits and Tree Nuts	2.2	1.2	3.1
Berries	0.0	0.0	0.1
Grapes	0.7	0.5	0.9
Tree Nuts	0.0	0.0	0.2
Citrus Fruits	0.1	0.1	0.7
Deciduous Tree Fruit	0.0	0.0	0.1
Other Fruits & Nuts	1.4	0.6	1.1
Total Horticultural Specialties	1.2	1.1	1.4
Ornamental Floral & Nursery	1.2	1.1	1.3
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	4.2	1.5	1.8
Agricultural Production/Livestock	4.2	3.8	5.5
Beef Cattle Feed Lots	0.0	0.3	0.2
Beef Cattle Except Feed Lots	0.0	0.0	0.5
Dairy Farms	1.4	1.0	2.9
Chicken Eggs	2.7	2.4	1.2
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.1	0.1	0.7
Total Agricultural Services	10.6	13.8	13.6
Soil Preparation Services	0.4	0.3	0.2
Crop Services	2.1	1.8	4.1
Plant Cultivate & Protection	0.2	1.2	0.5
Harvest Primarily by Machine	0.7	0.6	1.1
Preparation Services for Market	1.2	0.0	2.4
Cotton Ginning	0.0	0.0	0.1
Total Farm Labor & Management	8.1	11.7	9.3
Farm Labor Contractors	7.9	10.7	8.8
Farm Management Services	0.2	1.0	0.5

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Sep 1999	Aug 1999	Sep 1998
Total Agriculture	7.93	8.09	7.42
Total Agricultural Production/Crops	7.79	7.86	6.96
Cash Grains	na	na	6.75
Rice	na	na	na
Other Cash Grains	na	na	6.75
Field Crops Except Grains	8.33	8.80	6.75
Cotton	na	na	na
Other Field Crops	8.33	8.80	6.75
Vegetables and Melons	7.37	7.62	6.90
Total Fruits and Tree Nuts	7.89	7.86	6.69
Berries	na	na	6.05
Grapes	7.59	7.27	7.05
Tree Nuts	na	na	6.20
Citrus Fruits	8.00	7.88	7.10
Deciduous Tree Fruit	na	na	7.10
Other Fruits & Nuts	8.09	8.44	6.66
Total Horticultural Specialties	8.88	8.50	7.40
Ornamental Floral & Nursery	8.88	8.50	6.80
Food Crops Grown Under Cover	na	na	8.00
General Farm Primarily Crop	6.47	6.53	7.29
Agricultural Production/Livestock	7.55	7.69	7.67
Beef Cattle Feed Lots	na	7.45	7.20
Beef Cattle Except Feed Lots	na	na	7.95
Dairy Farms	7.67	8.19	9.10
Chicken Eggs	6.58	6.87	6.85
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.41	8.25	7.25
Total Agricultural Services	8.45	8.72	7.63
Soil Preparation Services	9.20	9.72	8.60
Crop Services	8.16	8.44	7.20
Plant Cultivate & Protection	8.50	8.99	6.85
Harvest Primarily by Machine	8.38	7.88	6.58
Preparation Services for Market	7.60	na	6.86
Cotton Ginning	na	na	8.50
Total Farm Labor & Management	8.00	8.01	7.09
Farm Labor Contractors	8.18	7.97	7.35
Farm Management Services	7.81	8.05	6.83

NORTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Sep 1999	Aug 1999	Sep 1998
Total Agriculture	18.3	24.0	19.9
Total Agricultural Production/Crops	10.7	16.1	14.4
Cash Grains	0.0	0.0	0.0
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.0
Field Crops Except Grains	0.2	0.2	0.0
Cotton	0.0	0.0	0.0
Other Field Crops	0.2	0.2	0.0
Vegetables and Melons	4.7	3.0	0.4
Total Fruits and Tree Nuts	5.2	10.8	12.0
Berries	0.0	0.0	0.0
Grapes	4.6	9.8	9.4
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.0	0.0	0.0
Deciduous Tree Fruit	0.6	1.0	2.3
Other Fruits & Nuts	0.0	0.0	0.2
Total Horticultural Specialties	0.6	1.1	1.7
Ornamental Floral & Nursery	0.6	1.1	1.5
Food Crops Grown Under Cover	0.0	0.0	0.2
General Farm Primarily Crop	0.0	1.0	0.3
Agricultural Production/Livestock	3.0	3.4	1.8
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.2	0.2	0.2
Dairy Farms	1.8	2.0	1.0
Chicken Eggs	0.9	0.9	0.1
Turkey & Turkey Eggs	0.0	0.0	0.1
Other Livestock	0.1	0.3	0.4
Total Agricultural Services	4.6	4.5	3.7
Soil Preparation Services	0.0	0.0	0.1
Crop Services	0.1	0.0	0.9
Plant Cultivate & Protection	0.1	0.0	0.0
Harvest Primarily by Machine	0.0	0.0	0.0
Preparation Services for Market	0.0	0.0	0.9
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	4.5	4.5	2.8
Farm Labor Contractors	2.0	1.7	1.1
Farm Management Services	2.5	2.8	1.7

Industry	Sep 1999	Aug 1999	Sep 1998
Total Agriculture	8.55	8.45	7.66
Total Agricultural Production/Crops	8.92	8.67	7.24
Cash Grains	na	na	na
Rice	na	na	na
Other Cash Grains	na	na	na
Field Crops Except Grains	8.73	8.73	na
Cotton	na	na	na
Other Field Crops	8.73	8.73	na
Vegetables and Melons	9.44	9.33	8.01
Total Fruits and Tree Nuts	8.61	8.40	7.31
Berries	na	na	na
Grapes	8.78	8.57	8.01
Tree Nuts	na	na	7.40
Citrus Fruits	na	na	na
Deciduous Tree Fruit	8.44	8.22	7.12
Other Fruits & Nuts	na	na	6.70
Total Horticultural Specialties	8.89	8.70	7.33
Ornamental Floral & Nursery	8.89	8.70	6.85
Food Crops Grown Under Cover	na	na	7.80
General Farm Primarily Crop	na	8.17	6.30
Agricultural Production/Livestock	7.63	7.69	7.71
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	7.62	7.50	8.16
Dairy Farms	7.80	7.91	7.30
Chicken Eggs	7.05	7.26	7.55
Turkey & Turkey Eggs	na	na	7.75
Other Livestock	8.03	8.10	7.80
Total Agricultural Services	9.10	8.99	8.02
Soil Preparation Services	na	na	9.05
Crop Services	9.26	na	7.50
Plant Cultivate & Protection	9.26	na	na
Harvest Primarily by Machine	na	na	na
Preparation Services for Market	na	na	7.50
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.94	8.99	7.52
Farm Labor Contractors	8.72	8.55	7.20
Farm Management Services	9.16	9.42	7.83

na = not available

SOUTH COAST AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Average Hourly Earnings
(In dollars per hour)

Industry	Sep 1999	Aug 1999	Sep 1998
Total Agriculture	62.6	64.8	61.4
Total Agricultural Production/Crops	41.8	42.6	41.1
Cash Grains	0.0	0.0	0.2
Rice	0.0	0.0	0.0
Other Cash Grains	0.0	0.0	0.2
Field Crops Except Grains	1.7	1.4	0.4
Cotton	0.0	0.0	0.1
Other Field Crops	1.7	1.4	0.3
Vegetables and Melons	3.4	5.3	8.7
Total Fruits and Tree Nuts	14.6	15.7	10.9
Berries	7.6	7.9	5.6
Grapes	1.4	1.0	1.7
Tree Nuts	0.0	0.0	0.1
Citrus Fruits	0.9	1.5	1.8
Deciduous Tree Fruit	0.7	0.0	0.1
Other Fruits & Nuts	4.0	5.3	1.6
Total Horticultural Specialties	19.4	16.0	16.6
Ornamental Floral & Nursery	19.4	16.0	15.8
Food Crops Grown Under Cover	0.0	0.0	0.8
General Farm Primarily Crop	2.7	4.2	4.3
Agricultural Production/Livestock	2.9	2.4	2.0
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.0	0.1	0.3
Dairy Farms	0.0	0.2	0.2
Chicken Eggs	1.6	1.1	0.5
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	1.3	1.0	1.0
Total Agricultural Services	17.9	19.8	18.3
Soil Preparation Services	0.1	1.3	0.2
Crop Services	4.4	2.5	3.9
Plant Cultivate & Protection	1.9	1.5	0.6
Harvest Primarily by Machine	0.0	0.0	0.5
Preparation Services for Market	2.5	1.0	2.8
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	13.4	16.0	14.2
Farm Labor Contractors	12.0	11.9	13.0
Farm Management Services	1.4	4.1	1.2

Industry	Sep 1999	Aug 1999	Sep 1998
Total Agriculture	8.09	8.10	7.59
Total Agricultural Production/Crops	7.79	7.82	7.11
Cash Grains	na	na	7.00
Rice	na	na	na
Other Cash Grains	na	na	7.00
Field Crops Except Grains	7.87	8.15	6.83
Cotton	na	na	6.75
Other Field Crops	7.87	8.15	6.90
Vegetables and Melons	7.60	8.48	7.07
Total Fruits and Tree Nuts	7.73	7.50	7.24
Berries	7.80	7.13	7.01
Grapes	7.98	7.00	6.85
Tree Nuts	na	na	7.20
Citrus Fruits	7.46	7.75	7.60
Deciduous Tree Fruit	7.04	na	7.60
Other Fruits & Nuts	8.39	8.10	7.16
Total Horticultural Specialties	8.87	8.20	7.65
Ornamental Floral & Nursery	8.87	8.20	6.80
Food Crops Grown Under Cover	na	na	8.50
General Farm Primarily Crop	6.87	6.77	6.90
Agricultural Production/Livestock	7.91	7.96	7.95
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	na	7.63	8.15
Dairy Farms	na	8.43	8.50
Chicken Eggs	6.32	6.11	6.90
Turkey & Turkey Eggs	na	na	na
Other Livestock	9.50	9.67	8.25
Total Agricultural Services	8.58	8.53	7.71
Soil Preparation Services	9.29	9.21	8.40
Crop Services	8.43	8.36	7.73
Plant Cultivate & Protection	8.51	8.64	7.55
Harvest Primarily by Machine	na	na	7.83
Preparation Services for Market	8.35	8.08	7.82
Cotton Ginning	na	na	na
Total Farm Labor & Management	8.03	8.01	6.99
Farm Labor Contractors	8.30	7.70	6.88
Farm Management Services	7.75	8.32	7.09

na = not available

SAN JOAQUIN AGRICULTURAL EMPLOYMENT

Wage and Salary Workers
(In Thousands)

Industry	Sep 1999	Aug 1999	Sep 1998
Total Agriculture	275.1	265.3	278.5
Total Agricultural Production/Crops	127.6	103.4	112.1
Cash Grains	1.4	1.4	0.4
Rice	0.0	0.0	0.1
Other Cash Grains	1.4	1.4	0.3
Field Crops Except Grains	8.6	8.2	9.7
Cotton	3.2	4.6	6.8
Other Field Crops	5.4	3.6	2.9
Vegetables and Melons	30.1	23.7	7.6
Total Fruits and Tree Nuts	66.5	46.7	72.9
Berries	0.0	0.1	0.2
Grapes	43.0	21.7	42.9
Tree Nuts	6.6	5.7	7.7
Citrus Fruits	0.5	0.8	3.1
Deciduous Tree Fruit	5.1	11.2	13.0
Other Fruits & Nuts	11.3	7.2	6.0
Total Horticultural Specialties	4.7	5.6	3.6
Ornamental Floral & Nursery	4.7	5.6	3.5
Food Crops Grown Under Cover	0.0	0.0	0.1
General Farm Primarily Crop	16.3	17.8	17.9
Agricultural Production/Livestock	9.5	13.6	15.1
Beef Cattle Feed Lots	0.1	0.1	0.2
Beef Cattle Except Feed Lots	2.0	1.1	1.2
Dairy Farms	4.7	7.2	10.5
Chicken Eggs	0.8	1.2	0.6
Turkey & Turkey Eggs	0.5	1.8	0.7
Other Livestock	1.4	2.2	1.9
Total Agricultural Services	138.0	148.3	151.3
Soil Preparation Services	0.0	0.4	0.6
Crop Services	24.4	25.4	30.3
Plant Cultivate & Protection	2.1	2.9	4.3
Harvest Primarily by Machine	2.1	0.9	3.6
Preparation Services for Market	19.9	21.3	21.9
Cotton Ginning	0.3	0.3	0.5
Total Farm Labor & Management	113.6	122.5	120.4
Farm Labor Contractors	106.9	115.0	115.7
Farm Management Services	6.7	7.5	4.7

na = not available

Average Hourly Earnings
(In dollars per hour)

Industry	Sep 1999	Aug 1999	Sep 1998
Total Agriculture	7.95	7.84	7.62
Total Agricultural Production/Crops	7.84	7.60	7.06
Cash Grains	8.63	8.85	7.73
Rice	na	na	8.05
Other Cash Grains	8.63	8.85	7.40
Field Crops Except Grains	7.33	7.53	6.80
Cotton	7.27	6.97	6.77
Other Field Crops	7.38	8.09	6.82
Vegetables and Melons	7.37	7.13	6.90
Total Fruits and Tree Nuts	7.87	7.46	6.77
Berries	na	6.35	6.40
Grapes	7.97	7.38	6.70
Tree Nuts	7.98	7.23	6.85
Citrus Fruits	7.99	8.54	6.90
Deciduous Tree Fruit	7.33	7.78	6.90
Other Fruits & Nuts	8.10	7.48	6.84
Total Horticultural Specialties	7.85	7.44	7.69
Ornamental Floral & Nursery	7.85	7.44	7.33
Food Crops Grown Under Cover	na	na	8.05
General Farm Primarily Crop	8.02	7.21	6.50
Agricultural Production/Livestock	7.71	7.85	7.65
Beef Cattle Feed Lots	8.50	8.75	7.45
Beef Cattle Except Feed Lots	7.56	7.93	8.69
Dairy Farms	8.83	8.71	7.85
Chicken Eggs	7.01	6.86	7.30
Turkey & Turkey Eggs	6.57	6.75	7.60
Other Livestock	7.78	8.08	7.03
Total Agricultural Services	8.29	8.06	8.14
Soil Preparation Services	na	8.20	9.80
Crop Services	8.83	8.51	8.12
Plant Cultivate & Protection	8.45	8.18	8.15
Harvest Primarily by Machine	8.78	8.72	9.07
Preparation Services for Market	7.70	7.48	6.89
Cotton Ginning	10.38	9.67	8.35
Total Farm Labor & Management	7.75	7.47	6.49
Farm Labor Contractors	7.88	7.05	6.35
Farm Management Services	7.62	7.89	6.63

SACRAMENTO VALLEY AGRICULTURAL EMPLOYMENT

Wage and Salary Workers (In Thousands)

Industry	Sep 1999	Aug 1999	Sep 1998
Total Agriculture	41.8	32.8	35.8
Total Agricultural Production/Crops	25.7	20.6	24.2
Cash Grains	1.3	1.0	1.9
Rice	0.3	0.5	1.4
Other Cash Grains	1.0	0.5	0.5
Field Crops Except Grains	1.4	1.5	1.0
Cotton	0.0	0.0	0.0
Other Field Crops	1.4	1.5	1.0
Vegetables and Melons	12.3	8.1	3.2
Total Fruits and Tree Nuts	6.1	7.2	11.6
Berries	0.0	0.0	0.0
Grapes	0.7	0.5	1.0
Tree Nuts	3.1	3.2	3.4
Citrus Fruits	0.1	0.0	0.0
Deciduous Tree Fruit	2.0	3.1	5.8
Other Fruits & Nuts	0.2	0.4	1.4
Total Horticultural Specialties	0.0	0.1	1.8
Ornamental Floral & Nursery	0.0	0.1	1.7
Food Crops Grown Under Cover	0.0	0.4	0.1
General Farm Primarily Crop	4.6	2.7	4.7
Agricultural Production/Livestock	1.8	2.1	1.7
Beef Cattle Feed Lots	0.0	0.0	0.0
Beef Cattle Except Feed Lots	0.6	0.8	0.6
Dairy Farms	0.6	0.9	0.6
Chicken Eggs	0.0	0.0	0.0
Turkey & Turkey Eggs	0.0	0.0	0.0
Other Livestock	0.6	0.4	0.5
Total Agricultural Services	14.3	10.1	9.9
Soil Preparation Services	0.0	0.0	0.1
Crop Services	4.7	2.2	3.4
Plant Cultivate & Protection	0.7	0.2	0.7
Harvest Primarily by Machine	0.0	0.0	0.5
Preparation Services for Market	4.0	2.0	2.2
Cotton Ginning	0.0	0.0	0.0
Total Farm Labor & Management	9.6	7.9	6.4
Farm Labor Contractors	9.6	7.9	5.7
Farm Management Services	0.0	0.0	0.7

na = not available

Average Hourly Earnings (In dollars per hour)

Industry	Sep 1999	Aug 1999	Sep 1998
Total Agriculture	7.92	7.92	7.34
Total Agricultural Production/Crops	7.89	8.07	7.16
Cash Grains	7.77	7.86	7.56
Rice	7.53	7.30	7.60
Other Cash Grains	8.00	8.42	7.51
Field Crops Except Grains	8.52	8.69	7.43
Cotton	na	na	na
Other Field Crops	8.52	8.69	7.43
Vegetables and Melons	7.52	7.86	7.65
Total Fruits and Tree Nuts	7.48	7.88	6.73
Berries	na	na	na
Grapes	7.79	7.85	6.65
Tree Nuts	7.03	7.44	7.35
Citrus Fruits	7.22	na	na
Deciduous Tree Fruit	7.39	8.06	6.49
Other Fruits & Nuts	7.95	8.16	6.43
Total Horticultural Specialties	na	7.96	7.48
Ornamental Floral & Nursery	na	7.75	7.10
Food Crops Grown Under Cover	na	8.16	7.85
General Farm Primarily Crop	8.15	8.15	6.40
Agricultural Production/Livestock	7.91	7.70	7.47
Beef Cattle Feed Lots	na	na	na
Beef Cattle Except Feed Lots	7.53	7.90	8.00
Dairy Farms	8.17	7.53	7.25
Chicken Eggs	na	na	na
Turkey & Turkey Eggs	na	na	na
Other Livestock	8.04	7.68	7.15
Total Agricultural Services	7.95	8.00	7.40
Soil Preparation Services	na	na	8.45
Crop Services	8.64	8.92	7.63
Plant Cultivate & Protection	8.55	9.03	7.60
Harvest Primarily by Machine	na	na	7.77
Preparation Services for Market	8.72	8.80	7.52
Cotton Ginning	na	na	na
Total Farm Labor & Management	7.27	7.09	6.12
Farm Labor Contractors	7.27	7.09	6.18
Farm Management Services	na	na	6.05

DATA NOTES

Data Sources:

These data are obtained from two sources: the Employment Development Department (EDD) Covered Employment and Wages (ES-202) data files and a monthly survey conducted by the California Agricultural Statistical Service (CASS) of the U.S. Department of Agriculture (USDA) and the Labor Market Information Division of EDD of 4,200 agricultural employers. The sample was selected to be representative of the state's agricultural employers by size, geographic location, and industry categories. Sample data are gathered for the survey week that includes the 12th calendar day of the month. All data in this bulletin represent activities taking place during this mid-month period. Same month prior year employment data are benchmarked to the ES-202 data files maintained by EDD.

Data Comments:

To aid in accurate usage and interpretation of the data, please note the following:

- **Agricultural Services employment data have been adjusted to reflect a recalculation of the survey sample results. Historical trend information was used to adjust sample data because of a low response rate.**
- Regional data may show greater variability than statewide data because of small sample size and variable reporting patterns in specific industries.
- Current month regional estimates are based on the recorded addresses of owner-operators. Same month prior year regional data are based on worksite locations. Significant differences between regional current month and same month prior year data could result, although statewide totals might be comparable.
- Where data cannot be estimated because of inadequate sample reporting, the letters "na" have been entered into the field to indicate estimates are not available.
- Wage data include wages of supervisors and hired non-production workers (primarily administrative personnel). Piece rate data are also included where applicable.
- Fishing, forestry, and hunting industry data are not included in the Agricultural Services estimates. Unique seasonal industry patterns of employment make producing employment estimates for these industries problematic.
- Employment data do not include employers of unpaid family workers.
- Agricultural workers who are employed by farm labor contractors are reported in Agricultural Services under that industry category. Employment levels in Crop Production and Livestock Production do not reflect their activities in the associated industries that contract with the farm labor contractors.
- Total agricultural employment and hourly earnings estimates in this bulletin are derived from the monthly Current Employment Statistics for Agriculture project. Estimates in this bulletin will differ from other agricultural estimates published by EDD and the USDA because of differences in the number of industries covered and in the definition of agricultural workers.

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